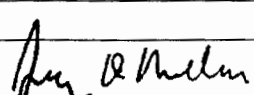


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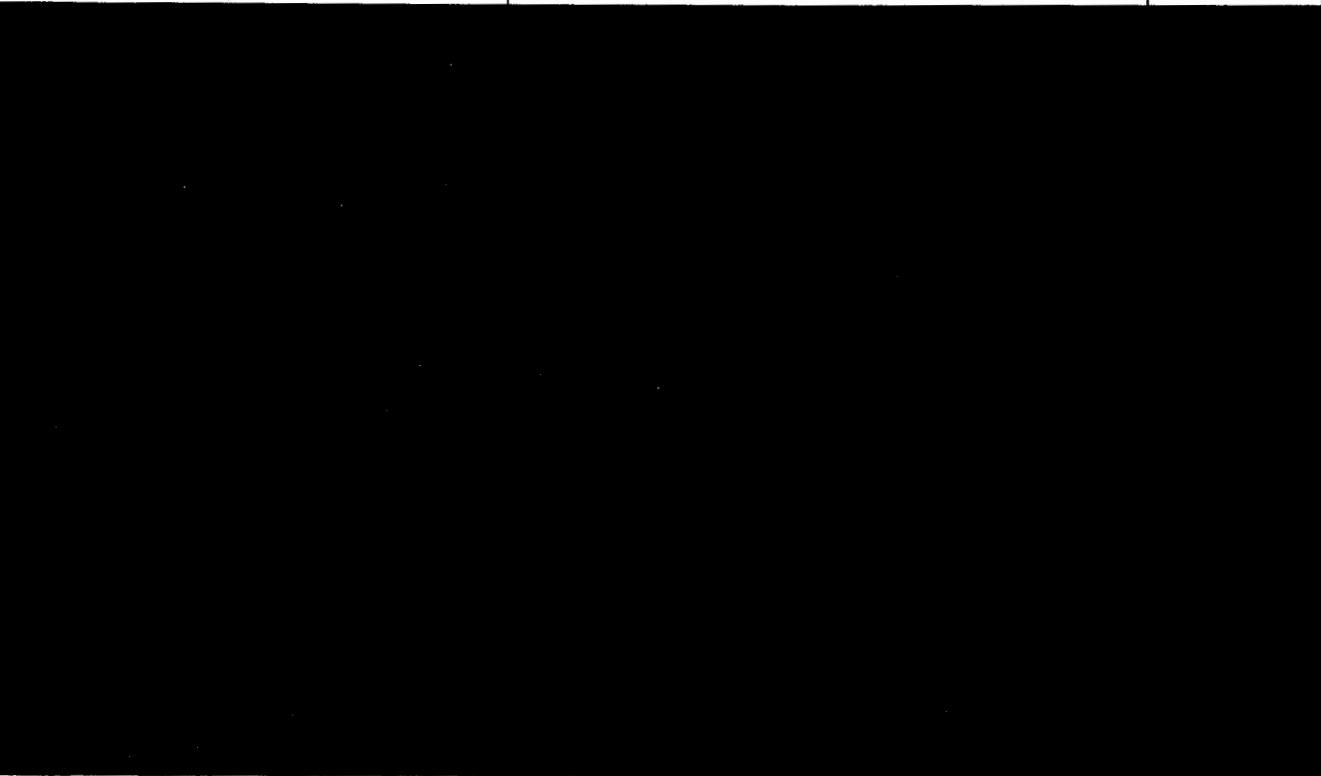
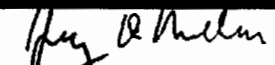
**DATA MATRIX**

Date: July 20, 2018			EPA Reg. No./File Symbol: 91374-E		Page 1 of 10
Applicant's/Registrant's Name & Address Lubrimar, Lubricant Marketing and Research, Inc., 12238 Kindred St. Houston, TX 77049			Product Name: HORTICOL 75		
Ingredient(s) : Mineral Oil					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
Product Identity and Composition					
830.1550	Product identity and composition	50028501	Lubrimar	OWN	
830.1600	Description of materials used to produce the product	50028501	Lubrimar	OWN	
830.1620	Description of production process	50495303	Lubrimar	OWN	
830.1650	Description of formulation process				1
830.1670	Discussion of formulation of impurities	50028501	Lubrimar	OWN	
830.1700	Preliminary analysis	50028501	Lubrimar	OWN	
830.1750	Certified limits				2
830.1800	Enforcement analytical method	50028501	Lubrimar	OWN	
830.1900	Submittal of samples	50028501	Lubrimar	OWN	
Physical and Chemical Properties					
830.6302	Color	50495302	Lubrimar	OWN	
830.6303	Physical state	50495302	Lubrimar	OWN	
830.6304	Odor	50495302	Lubrimar	OWN	
830.6313	Stability to normal and elevated temperatures, metals and metal	50495302	Lubrimar	OWN	
830.6314	Oxidation/reduction: chemical incompatibility				3
830.6315	Flammability	50495302	Lubrimar	OWN	
830.6316	Explosibility				4
830.6317	Storage Stability	50495303	Lubrimar	OWN	
830.6319	Miscibility	50495302	Lubrimar	OWN	
Signature 			Name and Title Jeremy Malone, Consultant		Date July 20, 2018

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Ingredient(s) : Mineral Oil					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			Lubrimar	OWN	
			Lubrimar	OWN	
			Lubrimar	OWN	
					1
			Lubrimar	OWN	
			Lubrimar	OWN	
					2
			Lubrimar	OWN	
			Lubrimar	OWN	
			Lubrimar	OWN	
			Lubrimar	OWN	
			Lubrimar	OWN	
			Lubrimar	OWN	
					3
			Lubrimar	OWN	
					4
			Lubrimar	OWN	
			Lubrimar	OWN	
			Signature 		

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Ingredient(s) : Mineral Oil					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.6320	Corrosion Characteristics	50495303	Lubrimar	OWN	
830.6321	Dielectric breakdown voltage				5
830.7000	pH	50495302	Lubrimar	OWN	
830.7050	UV/visible light absorption	50028501	Lubrimar	OWN	
830.7100	Viscosity	50495301	Lubrimar	OWN	
830.7200	Melting Point/Melting Range				6
830.7220	Boiling Point/Boiling Range	50495301	Lubrimar	OWN	
830.7300	Density/relative density/bulk density	50495301	Lubrimar	OWN	
830.7370	Dissociation constants in water				7
830.7520	Particle Size, fiber length, and diameter distribution				8
830.7550; 830.7560; 830.7570	Partition coefficient (n-Octanol/Water)				9
830.7840; 830.7860	Water Solubility	50495302	Lubrimar	OWN	
830.7950	Vapor Pressure	50495302	Lubrimar	OWN	
Acute Testing					
870.1100	Acute oral toxicity - rat	41685307	Horticultural Spray Oil TF	OLD	
870.1200	Acute dermal toxicity	41685308	Horticultural Spray Oil TF	OLD	
870.1300	Acute inhalation toxicity - rat	41685309	Horticultural Spray Oil TF	OLD	
870.2400	Primary eye irritation - rabbit	41685310	Horticultural Spray Oil TF	OLD	
870.2500	Primary dermal irritation	41685319	Horticultural Spray Oil TF	OLD	
870.2600	Dermal sensitization	41685321	Horticultural Spray Oil TF	OLD	
none			Hypersensitivity incidents		Date July 20, 2018

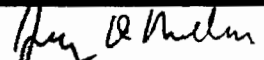
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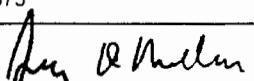
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Ingredient(s) : Mineral Oil					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			Lubrimar	OWN	
					5
			Lubrimar	OWN	
			Lubrimar	OWN	
			Lubrimar	OWN	
					6
			Lubrimar	OWN	
			Lubrimar	OWN	
					7
					8
					9
			Lubrimar	OWN	
			Lubrimar	OWN	
			Horticultural Spray Oil TF	OLD	
			Horticultural Spray Oil TF	OLD	
			Horticultural Spray Oil TF	OLD	
			Horticultural Spray Oil TF	OLD	
Horticultural Spray Oil TF	OLD				
Horticultural Spray Oil TF	OLD				
Signature 			Name and Title Jeremy Malone, Consultant		Date July 20, 2018

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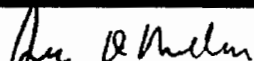
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Ingredient(s) : Mineral Oil					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
870.6100	Delayed neurotoxicity (acute) - hen				10
870.6200	Acute neurotoxicity - rat				11
Subchronic Testing					
870.3100	90-day Oral - rodent	93030032	Valent U.S.A. LLC	OLD	
870.3150	90-day Oral - non-rodent	93030035	Valent U.S.A. LLC	OLD	
870.3200	21/28-day Dermal	41368822	Valent U.S.A. LLC	OLD	
870.3250	90-day dermal - rat	CITE-ALL		PAY	
870.3465	90-day inhalation - rat	45002901	Tricor Refining, LLC	OLD	
870.6100	28-day Delayed neurotoxicity-hen				10
870.6200	90-day Neurotoxicity - rat				11
Chronic Testing					
870.4100	Chronic oral - rodent	CITE-ALL		PAY	
870.4200	Carcinogenicity - two rodent species - rat and mouse preferred	40270810	SUNOCO, INC.	OLD	
Developmental Toxicity and Reproduction					
870.3700	Prenatal Developmental toxicity - rat and rabbit, preferred	CITE-ALL		PAY	
870.3800	Reproduction and fertility effects	CITE-ALL		PAY	
870.6300	Developmental neurotoxicity	CITE-ALL		PAY	
Mutagenicity Testing					
870.5100	Bacterial reverse mutation test	93030049	Valent U.S.A. LLC	OLD	
870.5300; 870.5375	In vitro mammalian cell assay	93030046	Valent U.S.A. LLC	OLD	
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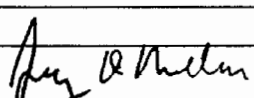
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Ingredient(s) : Mineral Oil					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
					10
					11
			Valent U.S.A. LLC	OLD	
			Valent U.S.A. LLC	OLD	
			Valent U.S.A. LLC	OLD	
				PAY	
			Tricor Refining, LLC	OLD	
					10
					11
				PAY	
			SUNOCO, INC.	OLD	
				PAY	
				PAY	
				PAY	
			Valent U.S.A. LLC	OLD	
			Valent U.S.A. LLC	OLD	
Signature 			Name and Title Jeremy Malone, Consultant		Date July 20, 2018

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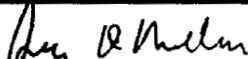
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Ingredient(s) : Mineral Oil					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
870.5385; 870.5395	In vivo cytogenetics	93030046	Valent U.S.A. LLC	OLD	
Special Testing					
870.7485	Metabolism and pharmacokinetics				12
870.7200	Companion animal safety				* 13
870.7600	Dermal penetration				12
870.7800	Immunotoxicity	CITE-ALL		PAY	
Avian and Mammalian Testing					
850.2100	Avian oral toxicity	44608001	TRICOR REFINING, LLC	OLD	
850.2200	Avian dietary toxicity	44780902	TRICOR REFINING, LLC	OLD	
850.2400	Wild mammal toxicity	CITE-ALL		PAY	
850.2300	Avian reproduction	CITE-ALL		PAY	
850.2500	Simulated or actual field testing	CITE-ALL		PAY	
Aquatic Organisms Testing					
850.1075	Freshwater fish toxicity	44625401	TRICOR REFINING, LLC	OLD	
850.1010	Acute toxicity freshwater invertebrates	44769301	TRICOR REFINING, LLC	OLD	
850.1025; 850.1035; 850.1045; 850.1055; 850.1075	Acute toxicity estuarine and marine organisms	44762002	TRICOR REFINING, LLC	OLD	
850.1300	Aquatic invertebrate life cycle (freshwater)	44625401	TRICOR REFINING, LLC	OLD	
850.1350	Aquatic invertebrate life cycle (saltwater)	45051302	PETRO-CANADA LUBRICANTS	OLD	
850.1400	Fish early-life stage (freshwater)				14
850.1400	Fish early-life stage (saltwater)				14
Signature 			Name and Title Jeremy Malone, Consultant		Date July 20, 2018

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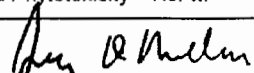
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Ingredient(s) : Mineral Oil					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			Valent U.S.A. LLC	OLD	
					12
					13
					12
				PAY	
			TRICOR REFINING, LLC	OLD	
			TRICOR REFINING, LLC	OLD	
				PAY	
				PAY	
				PAY	
			TRICOR REFINING, LLC	OLD	
			TRICOR REFINING, LLC	OLD	
			TRICOR REFINING, LLC	OLD	
			TRICOR REFINING, LLC	OLD	
			PETRO-CANADA LUBRICANTS	OLD	
					14
		14			
Signature 			Name and Title Jeremy Malone, Consultant		Date July 20, 2018



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Ingredient(s) : Mineral Oil					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
850.1500	Fish life cycle				14
850.1710; 850.1730; 850.1850	Aquatic organisms bioavailability, biomagnification, toxicity				14
850.1950	Simulated or actual field testing for aquatic organisms				14
Sediment Testing					
850.1735	Whole sediment: acute freshwater invertebrates				12
850.1740	Whole sediment: acute marine invertebrates				12
	Whole sediment: chronic invertebrates freshwater and marine				12
Insect Pollinator Testing					
850.3020	Honeybee acute contact toxicity	44683301	TRICOR REFINING, LLC	OLD	
850.3030	Honey bee toxicity of residues on foliage				14
850.3040	Field testing for pollinators				14
Nontarget Area Phytotoxicity - Tier I					
850.4100	Seedling emergence	CITE-ALL		PAY	
850.4150	Vegetative vigor	CITE-ALL		PAY	
850.4400; 850.5400	Aquatic plant growth (algal and aquatic vascular plant toxicity)	CITE-ALL		PAY	
Nontarget Area Phytotoxicity - Tier II					
850.4100	Seedling emergence				12
850.4150	Vegetative vigor				12
850.4400; 850.5400	Aquatic plant growth (algal and aquatic vascular plant toxicity)				12
Nontarget Area Phytotoxicity - Tier III					
Signature 			Name and Title Jeremy Malone, Consultant		Date July 20, 2018

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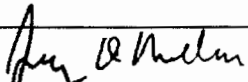
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Ingredient(s) : Mineral Oil					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
					14
					14
					14
					12
					12
					12
			TRICOR REFINING, LLC	OLD	
					14
					14
				PAY	
				PAY	
				PAY	
					12
					12
					12
Signature			Name and Title Jeremy Malone, Consultant		Date July 20, 2018

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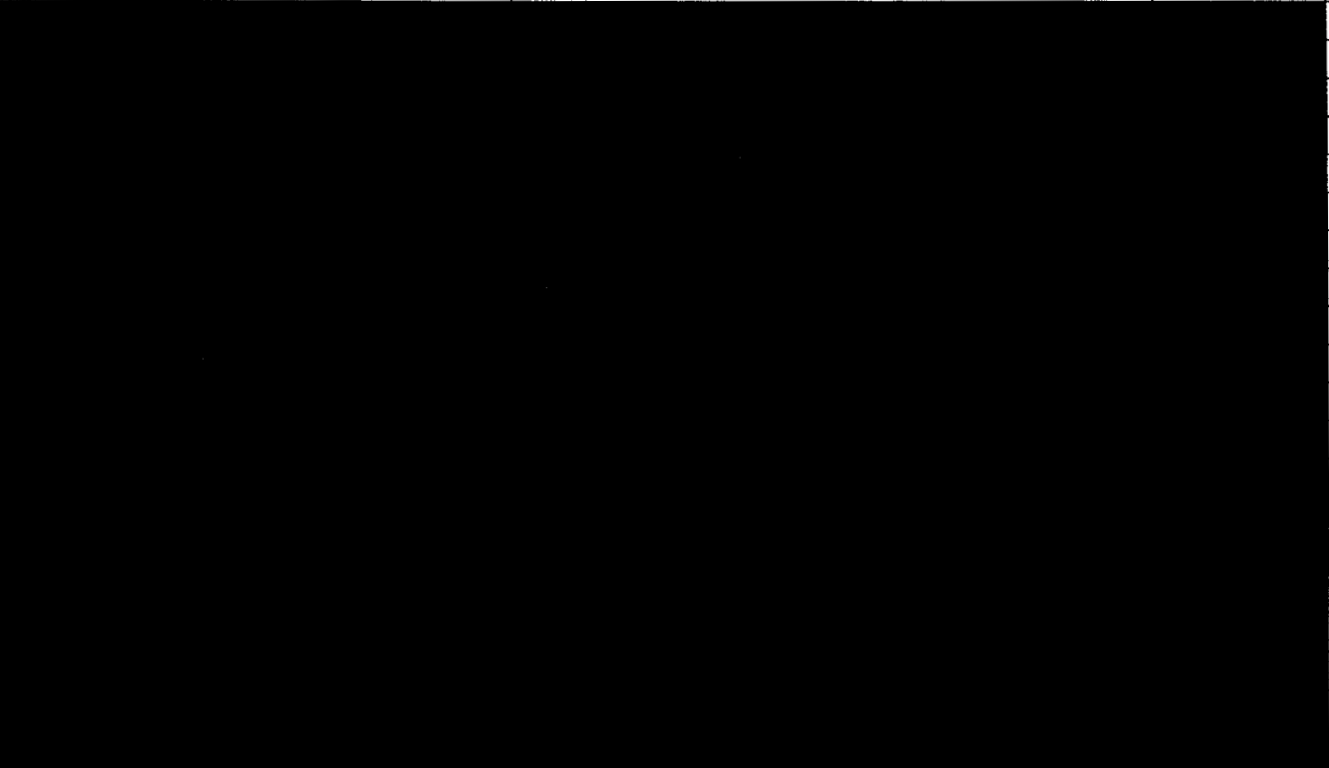
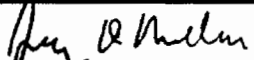
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Ingredient(s) : Mineral Oil					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
850.4300	Terrestrial field				12
850.4450	Aquatic field				12
Target Area Phytotoxicity					
850.4025	Target area phytotoxicity				12
Applicator Exposure					
875.1100	Dermal outdoor exposure				15
875.1200	Dermal indoor exposure				15
875.1300	Inhalation outdoor exposure				15
875.1400	Inhalation indoor exposure				15
875.1500	Biological monitoring				15
875.1600	Data reporting and calculations	CITE-ALL		PAY	
875.1700	Product use information	CITE-ALL		PAY	
Post-Application Exposure					
875.2100	Dislodgeable foliar residue and turf transferable residues	CITE-ALL		PAY	
875.2200	Soil residue dissipation	CITE-ALL		PAY	
875.2300	Indoor surface residue dissipation	CITE-ALL		PAY	
875.2400	Dermal exposure	CITE-ALL		PAY	
875.2500	Inhalation exposure				15
875.2600	Biological monitoring				15
875.2700	Product use information	CITE-ALL		PAY	
Signature 			Name and Title Jeremy Malone, Consultant		Date July 20, 2018

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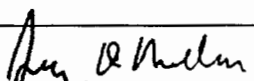
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Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
					12
					12
					12
					15
					15
					15
					15
					15
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				PAY	
				PAY	
				PAY	
				PAY	
				PAY	
					15
		15			
	PAY				
Signature 			Name and Title Jeremy Malone, Consultant		Date July 20, 2018

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**WASHINGTON, D.C. 20460**

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**DATA MATRIX**

Date: July 20, 2018			EPA Reg. No./File Symbol: 91374-E	Page 7 of 10	
Applicant's/Registrant's Name & Address Lubrimar, Lubricant Marketing and Research, Inc., 12238 Kindred St. Houston, TX 77049			Product Name: HORTICOL 75		
Ingredient(s) : Mineral Oil					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
875.2800	Description of human activity	CITE-ALL		PAY	
875.2900	Data reporting and calculations	CITE-ALL		PAY	
875.3000	Nondietary ingestion exposure	CITE-ALL		PAY	
Spray Drift					*
201-1	Droplet size spectrum	CITE-ALL		PAY	
202-1	Droplet size spectrum	CITE-ALL		PAY	
Environmental Fate					
Degradation Studies - Laboratory					
835.2120	Hydrolysis	135802	AMERICAN PETROLEUM INST	OLD	
835.2240	Photodegradation in water	CITE-ALL		PAY	
835.2410	Photodegradation on soil	CITE-ALL		PAY	
835.2370	Photodegradation in air	CITE-ALL		PAY	
Metabolism Studies - Laboratory					
835.4100	Aerobic soil	CITE-ALL		PAY	
835.4200	Anaerobic soil	CITE-ALL		PAY	
835.4300	Aerobic aquatic	CITE-ALL		PAY	
835.4400	Anaerobic aquatic	CITE-ALL		PAY	
Mobility Studies					
835.1230; 835.1240	Leaching and adsorption/desorption	50193701	Lubrimar	OWN	
835.1410	Volatility - laboratory	CITE-ALL		PAY	
Signature 			Name and Title Jeremy Malone, Consultant		Date July 20, 2018

Based on EPA Form 8570-35 (9-97) Electronic and Paper versions available. Submit only Paper version.

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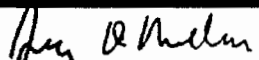
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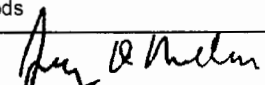
Ingredient(s) : Mineral Oil

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
				PAY	
				PAY	
				PAY	
				PAY	
				PAY	
			AMERICAN PETROLEUM INST	OLD	
				PAY	
				PAY	
				PAY	
				PAY	
				PAY	
				PAY	
				PAY	
			Lubrimar	OWN	
				PAY	
Signature 				Name and Title Jeremy Malone, Consultant	Date July 20, 2018

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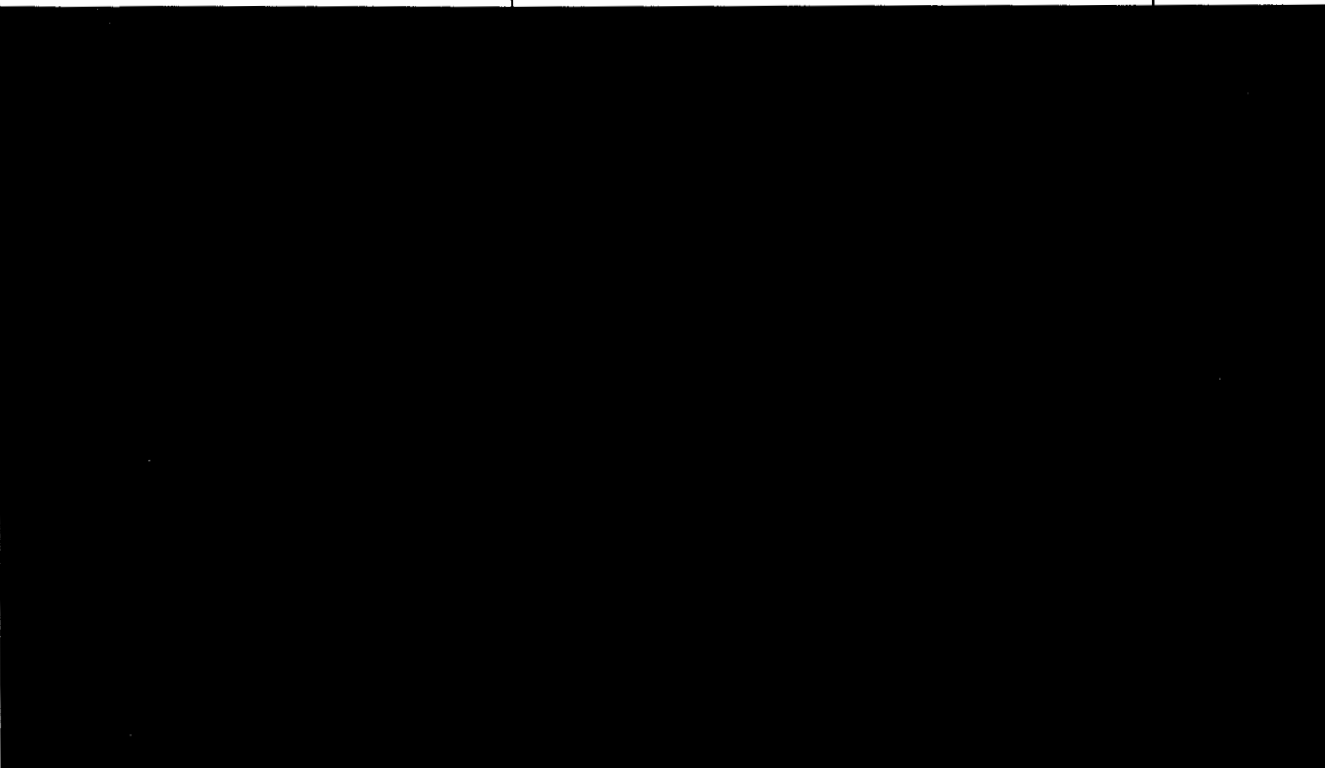
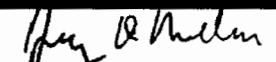
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Applicant's/Registrant's Name & Address Lubrimar, Lubricant Marketing and Research, Inc., 12238 Kindred St. Houston, TX 77049			Product Name: HORTICOL 75		
Ingredient(s) : Mineral Oil					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
835.8100	Volatility - field	CITE-ALL		PAY	
Dissipation Studies - Field					
835.6100	Terrestrial	CITE-ALL		PAY	
835.6200	Aquatic (sediment)	CITE-ALL		PAY	
835.6300	Forestry	CITE-ALL		PAY	
835.6400	Combination and tank mixes	CITE-ALL		PAY	
Ground Water Monitoring					
835.7100	Ground water monitoring	CITE-ALL		PAY	
Residue Chemistry					
Supporting Information					
860.1100	Chemical identity	50495301	Lubrimar	OWN	
860.1200	Directions for use				16
860.1550	Proposed tolerance				17
860.1560	Reasonable grounds in support of petition				17
860.1650	Submittal of analytical reference standards				17
Nature of the Residue					
860.1300	Nature of the residue in plants				15
860.1300	Nature of the residue in livestock				15
860.1850	Confined rotational crops				15
Analytical methods					
Signature 			Name and Title Jeremy Malone, Consultant		Date July 20, 2018

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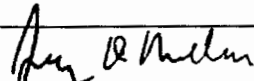
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Applicant's/Registrant's Name & Address Lubrimar, Lubricant Marketing and Research, Inc., 12238 Kindred St. Houston, TX 77049		Product Name: HORTICOL 75			
Ingredient(s) : Mineral Oil					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
				PAY	
				PAY	
				PAY	
				PAY	
				PAY	
				PAY	
			Lubrimar	OWN	
					16
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					15
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					15
Signature 			Name and Title Jeremy Malone, Consultant		Date July 20, 2018



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Applicant's/Registrant's Name & Address Lubrimar, Lubricant Marketing and Research, Inc., 12238 Kindred St. Houston, TX 77049		Product Name: HORTICOL 75			
Ingredient(s) : Mineral Oil					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1340	Residue analytical method				15
860.1360	Multiresidue method				15
Magnitude of the Residue					
860.1380	Storage stability				15
860.1500	Crop field trials				15
860.1520	Processed food or feed				15
860.1480	Meat/milk/poultry/eggs				15
860.1400	Potable water				15
860.1400	Fish				15
860.1400	Irrigated crops				15
860.1460	Food handling				15
860.1540	Anticipated residues				15
860.1900	Field rotational crops				15
Signature 		Name and Title Jeremy Malone, Consultant		Date July 20, 2018	

## DATA MATRIX

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Product Name:	HORTICOL 75
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Note

Date	July 20, 2018
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## DATA MATRIX FOOTNOTES

1. Discussion of Formulation Process - this product is not formulated.
2. See confidential statement of formula.
3. Oxidation/Reduction - Product does not contain oxidizing or reducing agents.
4. Explodability/Not Applicable. Neither the technical grade active ingredient nor the inert ingredients are considered as potentially explosive.
5. Dielectric Breakdown Voltage - Not Applicable. This product is not intended to be used around electrical equipment.
6. Melting Point – Product is a liquid at room temperature.
7. Does not contain an acid or base functionality.
8. Product does not contain fibrous test substances or particles with diameter of  $\geq 0.1 \mu\text{m}$ .
9. Not required if technical chemical is not organic and non-polar.
10. Product is not an organophosphorus substance, which includes uncharged organophosphorus esters; thioesters or anhydrides of organophosphoric, organophosphonic, or organophosphoramidic acids; or of related phosphorothioic, phosphonothioic, or phosphorothioamidic acids; or is structurally related to other substances that may cause the delayed neurotoxicity sometimes seen in this class of chemicals.
11. As determined by the Agency, additional measurements may also be required, such as cholinesterase activity for certain pesticides, e.g., organophosphates and some carbamates. The route of exposure must correspond with the primary route of exposure.
12. Tier II or Tier III testing not required for this chemical.
13. Product is not used on animals or indoors.
14. Not required for this Active Ingredient.
15. Guideline requirement waived for this Active Ingredient per RED for Aliphatic Solvents, 7/12/2006.
16. On product label
17. Product is exempt from the requirement of a tolerance under 180.910.

OWN: I am the Original Data Submitter for this study.

EXC: I have obtained written permission of the Original Data Submitter to cite this exclusive-use study in support of this application.

PER: I have obtained the permission of the Original Data Submitter to use this study in support of this application.

OLD: The study was submitted more than 15 years ago and all periods of compensation have expired.

PL: The study is in the public literature.

PAY: I have notified in writing the Original Data Submitter or, if the cite-all method is used, all companies listed in the most current Data Submitters List for this ingredient, and have offered (a) to pay compensation in accordance with FIFRA sections 3(c)(1)(F) and/or 3(c)(2)(B), and (b) to commence negotiations to determine the amount and terms of compensation, if any, to be paid for the use of the study(ies).

GAP: This Guideline data requirement is a data gap as defined in 40 CFR sections 152.83(a) and 152.96.

FOR: I am taking the formulator's exemption for this ingredient only. Other columns of this line should be marked "NA". However, if this product is to be registered/reregistered for additional uses for which the purchased EPA registered ingredient is not supported, additional data must be submitted or cited here to support those uses.

**Note:** If additional explanation is needed, enter a footnote number in this column and attach the corresponding explanation.